

X-645-72-355

PREPRINT

NASA TM X-66052

PROVISIONAL HOURLY VALUES OF EQUATORIAL DST FOR JANUARY TO JUNE 1972

M. SUGIURA
D. J. POROS

SEPTEMBER 1972

(NASA-TM-X-66052) PROVISIONAL HOURLY
VALUES OF EQUATORIAL Dst FOR JANUARY TO
JUNE 1972 M. Sugiura, et al (NASA) Sep.
1972 8 p CSCI 04A

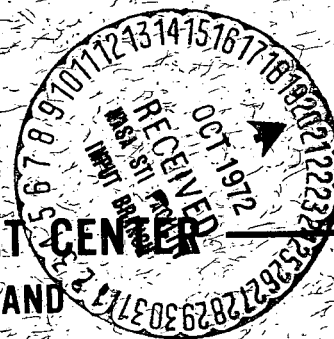
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Unclass
43823

GSFC

GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND



PROVISIONAL HOURLY VALUES OF EQUATORIAL Dst
FOR JANUARY TO JUNE 1972

M. Sugiura
Laboratory for Space Physics, Goddard Space Flight Center,
Greenbelt, Maryland 20771

D. J. Poros
Computer Sciences Corporation
Silver Spring, Maryland 20910

September 1972

HOURLY EQUATORIAL DST VALUES (PROVISIONAL)
JANUARY 1972

DAY	UNIT=GAMMAS												G.M.T.											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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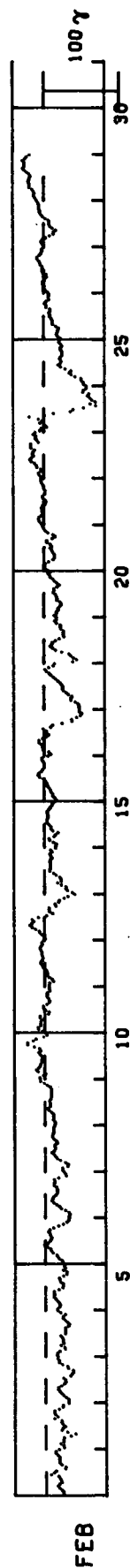


JAN

HOURLY EQUATORIAL DST VALUES(PROVISIONAL)

FEBRUARY 1972

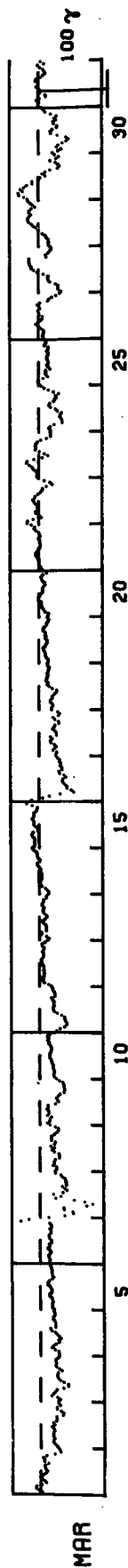
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HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MARCH 1972

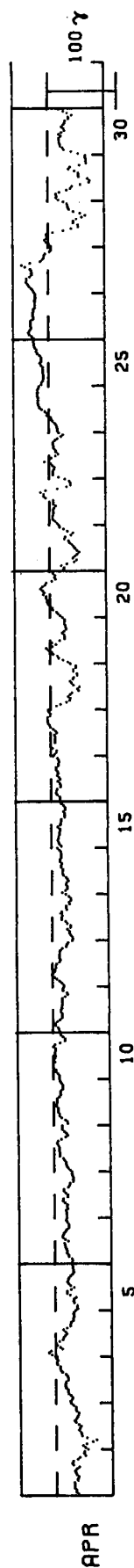
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HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

APRIL 1972

DAY	UNIT=GAMMAS										G.M.T.													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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12	-17	-14	-11	-7	-3	0	-2	-4	-5	-6	-6	-8	-11	-13	-11	-11	-12	-12	-13	-15	-21	-22	-24	-30
13	-31	-29	-27	-25	-25	-22	-27	-27	-22	-20	-14	-15	-16	-14	-14	-22	-21	-21	-26	-25	-28	-28	-25	-21
14	-16	-20	-23	-23	-21	-22	-25	-23	-21	-17	-15	-16	-17	-14	-14	-16	-13	-13	-15	-15	-15	-14	-12	-9
15	-15	-12	-11	-10	-11	-12	-13	-13	-14	-13	-10	-14	-15	-16	-16	-20	-21	-20	-18	-21	-21	-19	-15	-13
16	-14	-14	-13	-9	-8	-9	-10	-14	-15	-13	-10	-14	-12	-10	-11	-10	-8	-8	-11	-11	-13	-11	-10	-4
17	-6	-9	-10	-3	0	-1	-7	-9	-8	-8	-5	-10	-8	-4	0	1	3	4	4	3	0	-1	2	3
18	0	-9	-15	-24	-28	-30	-26	-29	-32	-42	-40	-43	-34	-31	-29	-33	-35	-40	-39	-34	-34	-38	-38	-30
19	-26	-19	-13	-11	-5	-3	2	5	-4	-9	-3	-15	-22	-22	-21	-18	-21	-24	-23	-22	-21	-22	-22	-19
20	-15	-12	-10	-5	-4	-1	2	3	3	5	5	9	7	10	13	10	6	4	-4	-9	-8	-9	-6	-15
21	-21	-22	-18	-26	-37	-40	-35	-39	-41	-44	-41	-38	-36	-33	-30	-28	-22	-24	-32	-35	-27	-21	-16	-14
22	-12	-9	-6	-5	-6	-7	-7	-6	-8	-10	-6	-7	-7	5	8	7	12	4	-13	-26	-32	-32	-30	-23
23	-14	-6	-6	-6	-6	-9	-6	-3	6	-1	-4	-10	-14	-11	-10	-8	-7	-6	-7	-10	-13	-18	-21	-15
24	-13	-13	-12	-11	-9	-6	-4	-3	2	2	5	10	13	14	15	15	14	14	16	15	15	16	14	13
25	10	9	7	6	7	7	8	7	7	7	10	12	10	9	10	12	15	17	16	19	20	20	21	21
26	20	23	27	28	26	24	24	25	24	24	21	20	22	21	20	20	18	18	19	19	18	17	18	19
27	20	22	24	27	29	31	30	30	25	23	23	24	25	33	37	25	10	7	5	5	3	-3	-5	-5
28	-5	-2	2	4	1	0	2	-9	-23	-35	-45	-44	-37	-38	-42	-50	-55	-47	-38	-31	-30	-29	-28	-23
29	-16	-13	-14	-12	-17	-23	-34	-36	-49	-61	-62	-59	-46	-45	-45	-40	-31	-33	-47	-57	-56	-56	-55	-55
30	-45	-35	-24	-22	-10	-18	-17	-17	-17	-20	-17	-21	-25	-24	-21	-24	-26	-27	-31	-32	-36	-29	-24	-17



HOURLY EQUATORIAL DST VALUES (PROVISIONAL)

MAY 1972

DAY	UNIT=GAMMAS								G.M.T.															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	-31	-36	-42	-37	-37	-39	-40	-42	-46	-38	-35	-37	-36	-38	-38	-37	-40	-38	-39	-39	-38	-34	-36	-37
2	-38	-44	-44	-42	-38	-35	-33	-31	-42	-43	-38	-36	-31	-34	-31	-31	-31	-27	-28	-26	-27	-26	-20	-19
3	-22	-24	-27	-27	-24	-24	-24	-23	-24	-26	-27	-24	-22	-25	-23	-29	-30	-31	-31	-29	-25	-21	-20	-18
4	-17	-20	-22	-21	-15	-15	-16	-19	-20	-18	-16	-12	-11	-14	-16	-15	-15	-20	-23	-21	-20	-19	-20	-16
5	-16	-17	-16	-16	-16	-15	-19	-20	-20	-21	-20	-14	-13	-13	-12	-10	-5	-5	-4	-1	-1	-1	4	
6	4	-1	-2	-4	-6	-9	-9	-12	-17	-20	-18	-14	-14	-16	-18	-19	-21	-25	-25	-23	-23	-22	-20	-16
7	-16	-18	-15	-13	-14	-16	-17	-16	-15	-16	-15	-16	-15	-14	-15	-13	-15	-16	-16	-14	-13	-14	-16	-18
8	-15	-13	-11	-9	-7	-5	-6	-7	-6	-6	-5	-4	-3	-2	-3	-7	-11	-13	-12	-12	-8	-6	-7	
9	-7	-2	-2	-2	-1	6	3	-2	-24	-33	-27	-20	-20	-22	-24	-25	-27	-32	-36	-40	-47	-49	-47	-36
10	-30	-31	-28	-27	-22	-26	-26	-26	-27	-28	-27	-28	-27	-30	-28	-23	-22	-23	-24	-29	-23	-23	-21	-17
11	-14	-12	-11	-9	-9	-9	-15	-14	-10	-12	-12	-11	-15	-18	-19	-13	-13	-14	-22	-27	-25	-23	-23	-18
12	-15	-11	-12	-15	-16	-18	-22	-22	-23	-27	-25	-19	-16	-13	-14	-12	-11	-11	-13	-15	-12	-10	-10	-10
13	-13	-19	-20	-14	-9	-9	-11	-14	-14	-11	-8	-9	-8	-9	-8	-7	-8	-11	-13	-15	-19	-27	-32	-27
14	-22	-23	-23	-21	-19	-17	-14	-12	-16	-17	-16	-13	-12	-14	-16	-19	-22	-19	-18	-19	-18	-18	-20	-20
15	-19	-18	-14	-11	-6	-3	-3	-4	-5	-5	-5	-1	-1	-3	-1	1	3	1	18	36	-4	-38	-49	-52
16	-65	-83	-69	-56	-62	-62	-60	-54	-44	-43	-40	-38	-42	-44	-43	-40	-40	-39	-39	-39	-36	-38	-41	-39
17	-39	-45	-39	-29	-29	-31	-37	-32	-33	-32	-31	-30	-32	-34	-32	-26	-26	-25	-24	-24	-25	-24	-23	-21
18	-9	-12	-9	-9	-14	-14	-7	-3	-3	-2	-4	-6	-9	-13	-12	-8	-5	-4	-7	-9	-9	-8	-10	-10
19	-10	-10	-11	-12	-10	-9	-7	-7	-6	-5	-3	-3	-2	-4	-5	-5	-3	-1	0	0	-2	0	1	0
20	-4	-6	-8	-12	-13	-14	-11	-7	-5	-3	-5	-4	-3	-3	-2	-2	1	4	5	5	4	2	5	8
21	8	7	10	11	12	11	11	10	12	13	11	9	6	6	9	11	11	9	7	6	6	6	4	1
22	0	0	5	7	8	3	0	-2	0	3	8	10	9	7	9	11	12	10	8	2	-2	3	7	8
23	6	5	3	6	11	13	13	14	15	15	13	14	16	15	12	10	5	-2	-5	-10	-11	-14	-21	-22
24	-19	-17	-14	-13	-17	-18	-13	-17	-14	-9	-8	-7	-6	-7	-7	-3	-2	-2	0	-1	-2	0	1	6
25	8	10	9	11	12	16	14	9	8	9	13	13	13	12	18	22	23	22	21	18	15	15	9	6
26	9	6	6	5	4	0	0	3	5	6	7	9	9	5	4	1	-5	-4	-6	-10	-13	-11	-15	-15
27	-13	-11	-7	-4	-1	1	1	3	5	6	9	11	11	8	9	7	1	1	2	1	-3	-6	-3	-9
28	-6	-1	2	13	24	27	30	23	26	24	12	7	9	5	14	11	-6	-1	3	-5	-13	-14	-13	-5
29	-1	-2	0	0	6	5	0	2	5	9	10	8	3	-2	0	0	3	2	1	2	1	-1	1	0
30	-3	-1	0	6	10	10	11	10	9	10	12	13	12	10	27	41	37	39	43	38	31	27	26	26
31	22	14	8	11	10	6	1	-2	-5	-4	1	8	10	8	11	11	7	12	12	12	13	12	3	-1



MAY

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HOURLY EQUATORIAL DST VALUES (PROVISIONAL)
JUNE 1972

DAY	UNIT=GAMMAS																								G.M.T.	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	-24	-24	-21	-23	-22	-23	-21	-20	-25	-30	-25	-22	-17	-15	-15	-10	-10	-12	-15	-18	-18	-18	-15	-15		
2	-16	-12	-12	-14	-8	-4	-4	-7	-12	-11	-8	-8	-9	-9	0	2	-12	-12	-12	-15	-13	-9	-10	-17		
3	-25	-27	-22	-22	-24	-20	-17	-18	-19	-24	-25	-21	-10	-8	-7	0	3	-9	-12	-13	-13	-12	-12	-14		
4	-9	3	0	-7	-4	-2	-2	-2	-2	-3	-9	-9	-9	-10	-8	-6	-13	-17	-20	-17	-16	-17	-19	-21		
5	-22	-28	-31	-33	-29	-25	-22	-23	-24	-25	-22	-23	-21	-19	-15	-13	-12	-13	-15	-18	-13	-11	-10	-10		
6	-10	-12	-14	-15	-15	-15	-11	-3	-7	-7	-7	-6	-8	-9	-9	-1	-1	-1	-4	-3	-1	-5	-11	-12		
7	-13	-17	-20	-25	-23	-18	-12	-10	-12	-13	-15	-16	-16	-16	-17	-16	-15	-17	-18	-20	-20	-18	-15	-16		
8	-14	-16	-20	-24	-25	-24	-20	-15	-13	-13	-12	-11	-10	-10	-11	-13	-14	-15	-16	-14	-16	-16	-17	-21		
9	-24	-23	-22	-20	-21	-21	-18	-17	-14	-12	-15	-18	-18	-18	-16	-14	-10	-8	-6	-7	-10	-13	-11	-4		
10	0	0	-1	1	4	3	2	2	1	0	0	-1	2	3	3	0	-3	-3	-3	-1	2	4	3	0		
11	0	1	2	6	7	6	5	5	5	5	8	12	13	13	11	11	13	10	9	7	5	5	3	0		
12	1	3	5	7	7	3	5	5	6	6	7	7	3	3	4	7	6	7	6	10	14	16	18	15		
13	10	4	2	3	5	4	9	10	14	17	20	20	22	18	16	16	16	13	7	2	5	6	3	4		
14	9	9	11	13	10	12	10	11	4	9	12	17	21	21	20	20	14	9	8	8	1	-2	-4	-5		
15	-1	-6	-4	-7	-7	-4	-3	-15	-11	-5	-2	6	9	6	1	-4	-5	-5	-2	0	2	5	7	7		
16	7	3	-1	-3	-4	-4	-5	0	-2	-10	-9	-1	7	0	-8	-12	-14	-15	-13	-9	-6	-7	-5	-9		
17	-10	-13	-12	-11	-12	-15	-14	-10	-20	-15	-29	-30	-6	11	15	12	5	-6	-1	3	-7	-31	-48	-75		
18	-148	-171	-100	-191	-186	-180	-197	-190	-192	-164	-153	-139	-133	-135	-135	-136	-132	-132	-127	-113	-112	-104	-93	-85		
19	-88	-91	-88	-92	-97	-103	-100	-93	-93	-90	-87	-84	-83	-80	-74	-72	-70	-68	-68	-70	-68	-66	-61	-59		
20	-60	-64	-66	-62	-56	-58	-57	-34	-50	-49	-49	-44	-45	-45	-45	-45	-46	-46	-46	-47	-44	-45	-44	-40		
21	-38	-41	-45	-48	-48	-48	-44	-43	-41	-40	-39	-35	-32	-31	-30	-31	-32	-34	-37	-33	-34	-33	-32	-32		
22	-35	-34	-34	-34	-32	-29	-25	-26	-27	-29	-36	-28	-29	-29	-30	-33	-33	-32	-32	-29	-28	-33	-35	-41		
23	-36	-33	-34	-31	-32	-32	-30	-33	-33	-31	-25	-29	-36	-41	-42	-37	-34	-38	-44	-44	-36	-28	-27	-29		
24	-27	-27	-27	-25	-25	-26	-27	-26	-22	-22	-22	-22	-18	-16	-18	-15	-9	-7	-5	-14	-17	-20	-19	-21		
25	-25	-24	-27	-28	-28	-28	-26	-25	-24	-24	-21	-18	-16	-15	-14	-14	-16	-18	-15	-12	-10	-7	-5	-7		
26	-7	-11	-14	-18	-21	-19	-12	-9	-14	-19	-17	-14	-11	-11	-15	-16	-12	-8	-7	-10	-9	-10	-13	-16		
27	-13	-12	-9	-7	-12	-11	-10	-12	-12	-10	-4	-4	-6	-5	-2	-6	-6	-12	-13	-16	-17	-22	-24	-25		
28	-25	-27	-27	-25	-20	-23	-22	-22	-28	-31	-22	-22	-20	-19	-24	-24	-20	-20	-25	-25	-20	-17	-18	-21		
29	-19	-21	-27	-26	-26	-26	-21	-19	-19	-18	-18	-15	-10	-7	-9	-8	-8	-9	-13	-13	-21	-21	-23	-21		
30	-18	-17	-13	-15	-15	-12	-13	-15	-16	-14	-12	-12	-10	-9	-8	-9	-10	-12	-12	-11	-9	-9	-10	-11		

